

Title (en)
An aqueous ink composition

Title (de)
Wässrige Tintenzusammensetzung

Title (fr)
Composition aqueuse d'encre

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Application
EP 92913671 A 19920612

Priority
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• US 71487991 A 19910613

Abstract (en)
[origin: US5141556A] An ink for ink jet printers which comprises an aqueous carrier medium, pigment dispersion or dye and a diol penetrant. The latter is an aliphatic diol having at least 6 carbon atoms, a solubility in water of at least 4.5 parts in 100 parts of water at 25 DEG C. and is selected from the group consisting essentially of: (1) compounds wherein at least 2 carbon atoms are attached as substituents to the main chain, and (2) Hexene [1,2-]diols. The pigment dispersion consists of pigment particles and a dispersant, preferably a polymeric dispersant having a hydrophilic segment and a segment that links to the pigment. These inks exhibit rapid drying, are storage stable, have reliable performance and give images having good print quality.

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